

Title (en)

ASYMMETRIC WAKE GENERATING VORTEX GENERATOR FOR REDUCING PROPELLER NOISE AND VIBRATION

Title (de)

ASYMMETRISCHE SCHLEPPE ERZEUGENDER WIRBELERZEUGER ZUR REDUZIERUNG VON PROPELLERGERÄUSCHEN UND -SCHWINGUNGEN

Title (fr)

GÉNÉRATEUR DE VORTEX À GÉNÉRATION DE SILLAGE ASYMÉTRIQUE POUR RÉDUIRE LE BRUIT ET LA VIBRATION DE L'ÉLICE

Publication

EP 3266698 B1 20191106 (EN)

Application

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Priority

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Abstract (en)

[origin: EP3266698A1] The present invention relates to a vortex generator that generates an asymmetric wake for reducing propeller noise and vibration, the vortex generator being capable of reducing propeller noise and vibration by reducing cavitation on blade surfaces of the propeller in a vessel by controlling a flow moving to the propeller in the vessel. The present invention provides a vortex generator that generates asymmetric wakes for reducing propeller noise and vibration, the vortex generator being cable of minimizing cavitation noise by generating asymmetric wake distribution for increasing the speed of a flow in the first quadrant of a propeller where cavitation is generated most by reducing an angle of attack of a blade by changing an axial speed using asymmetric wakes.

IPC 8 full level

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